

**POLYMER-BASED COMPOSITES COMPRISING CARBON NANOTUBES AS A
FILLER, METHOD FOR PRODUCING SAID COMPOSITES, AND ASSOCIATED
USES**

Abstract of the Disclosure

The invention relates to a method for producing carbon nanotubes in a dispersed state. The method comprises a stage whereby polymerization is carried out from at least one so-called monomer of interest, in the presence of a catalytic system. The catalytic system comprises a co-catalyst/catalyst catalytic couple that is supported by a catalyst carrier, which corresponds to said carbon nanotubes. The invention also relates to composite materials obtained by said method, and to a catalytic system for implementing said method. The invention further relates to the use of the inventive method and products in the field of polymers, especially that of nanotechnologies.